

3/30/01
J1062 U.S. PTO

04-02-01

A

Box seq.

Please type a plus sign (+) inside this box → ⊕

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))	Attorney Docket No.	DYX-015.1 US
	First Inventor	Hoogenboom
	Title	MUCIN-1 Specific Binding Members and Methods of Use Thereof
	Express Mail Label No.	EL378885271US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, DC 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
3. <input checked="" type="checkbox"/> Specification [Total Pages 85] (preferred arrangement set forth below) <ul style="list-style-type: none">- Descriptive title of the invention- Cross Reference to Related Applications- Statement Regarding Fed sponsored R & D- Reference to sequence listing, a table, or a computer program listing appendix- Background of the Invention- Brief Summary of the Invention- Brief Description of the Drawings (if filed)- Detailed Description- Claim(s)- Abstract of the Disclosure	a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: <ul style="list-style-type: none">i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); orii. <input checked="" type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 7]	ACCOMPANYING APPLICATION PARTS
5. Oath or Declaration [Total Pages 3] <ul style="list-style-type: none">a. <input type="checkbox"/> Newly executed (original or copy)b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)<ul style="list-style-type: none">i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. <input type="checkbox"/> Other:
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No. 09 / 538,913
Prior application information: Examiner B. Brumback Group Art Unit: 1642

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS					
<input type="checkbox"/> Customer Number or Bar Code Label		(Insert Customer No. or Attach bar code label here)		or <input checked="" type="checkbox"/> Correspondence address below	
Name	Leon R. Yankwich, Esq.				
	YANKWICH & ASSOCIATES				
Address	130 Bishop Allen Drive				
City	Cambridge	State	Massachusetts	Zip Code	02139
Country	U.S.A.	Telephone	(617) 491-4343	Fax	(617) 491-8801

Name (Print/Type)	Thomas R. Berka, Ph.D.	Registration No. (Attorney/Agent)	39,606
Signature	Thomas R. Berka		Date 30 March 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2001</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>		Complete if Known	
TOTAL AMOUNT OF PAYMENT (\$) 2984.00		Application Number	(not yet assigned)
		Filing Date	(concurrently herewith)
		First Named Inventor	Hoogenboom
		Examiner Name	B. Brumback
		Group Art Unit	1642
		Attorney Docket No.	DYX-015.1 US

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																							
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number: 50-0268</p> <p>Deposit Account Name: Yankwich & Associates</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p><input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fee Code</th> <th>Large Entity (\$)</th> <th>Small Entity (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td></tr> <tr> <td colspan="5" style="text-align: right;"> SUBTOTAL (3) (\$) </td> </tr> </tbody> </table>	Fee Code	Large Entity (\$)	Small Entity (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))		149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____					SUBTOTAL (3) (\$)				
Fee Code	Large Entity (\$)	Small Entity (\$)	Fee Description	Fee Paid																																																																																																																																																																																				
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																				
127	50	227	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																				
139	130	139	130	Non-English specification																																																																																																																																																																																				
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																				
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																				
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																				
115	110	215	55	Extension for reply within first month																																																																																																																																																																																				
116	390	216	195	Extension for reply within second month																																																																																																																																																																																				
117	890	217	445	Extension for reply within third month																																																																																																																																																																																				
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																				
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																				
119	310	219	155	Notice of Appeal																																																																																																																																																																																				
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																				
121	270	221	135	Request for oral hearing																																																																																																																																																																																				
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																				
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																				
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																				
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																				
143	440	243	220	Design issue fee																																																																																																																																																																																				
144	600	244	300	Plant issue fee																																																																																																																																																																																				
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																				
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																				
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																				
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																				
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																				
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																				
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																				
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																				
Other fee (specify) _____																																																																																																																																																																																								
SUBTOTAL (3) (\$)																																																																																																																																																																																								
<p>FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>355.00</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>120</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"> SUBTOTAL (1) (\$) 355.00 </td> </tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>121</td> <td>-20** = 101</td> <td>9.00</td> <td>909.00</td> </tr> <tr> <td>46</td> <td>-3** = 43</td> <td>40.00</td> <td>1720.00</td> </tr> <tr> <td colspan="4">Multiple Dependent 135.00 =</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;"> SUBTOTAL (2) (\$) 2629.00 </td> </tr> </tbody> </table> <p style="font-size: x-small;">**or number previously paid, if greater; For Reissues, see above</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	355.00	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		120	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1) (\$) 355.00				Total Claims	Extra Claims	Fee from below	Fee Paid	121	-20** = 101	9.00	909.00	46	-3** = 43	40.00	1720.00	Multiple Dependent 135.00 =				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		SUBTOTAL (2) (\$) 2629.00				<p>3. SUBTOTAL (3) (\$)</p>																																																																																											
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																																					
101	710	201	355	Utility filing fee	355.00																																																																																																																																																																																			
106	320	206	160	Design filing fee																																																																																																																																																																																				
107	490	207	245	Plant filing fee																																																																																																																																																																																				
120	710	208	355	Reissue filing fee																																																																																																																																																																																				
114	150	214	75	Provisional filing fee																																																																																																																																																																																				
SUBTOTAL (1) (\$) 355.00																																																																																																																																																																																								
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																					
121	-20** = 101	9.00	909.00																																																																																																																																																																																					
46	-3** = 43	40.00	1720.00																																																																																																																																																																																					
Multiple Dependent 135.00 =																																																																																																																																																																																								
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																																																																																					
103	18	203	9	Claims in excess of 20																																																																																																																																																																																				
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																				
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																				
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																				
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																				
SUBTOTAL (2) (\$) 2629.00																																																																																																																																																																																								

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	Thomas R. Berka, Ph.D.	Registration No. (Attorney/Agent)	39,606
Signature	<i>Thomas R. Berka</i>	Telephone	(617) 491-4343
		Date	30 March 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Hoogenboom and Henderikx

Serial No.: **Continuation of U.S. Application
09/538,913**

Filed: (concurrently herewith)

Entitled: MUCIN-1 SPECIFIC BINDING
MEMBERS AND METHODS OF
USE THEREOF

ART UNIT:

EXAMINER:

Attorney Docket No.: DYX-015.1 US

Box Patent Application

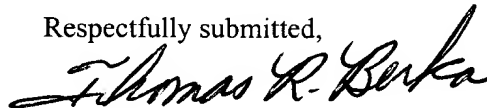
Asst. Commissioner for Patents

Washington, D.C. 20231

UTILITY PATENT APPLICATION TRANSMITTAL

1. Fee Transmittal form PTO/SB/17 (in duplicate).
2. Utility Patent Application Transmittal form PTO/SB/05.
3. Sequence Listing, computer readable form (CRF), and statement under 37 CFR 1.821(f).
4. Copy of application specification of 85 pages (including Abstract of the Disclosure).
5. Formal drawings (7 sheets).
6. Inventor's oath/declaration (pursuant 37 CFR §1.63(d)) and power of attorney.
7. Return receipt post card.
8. Check No. 3455 in the amount of \$ 2984.00 to cover the application filing fee.

Respectfully submitted,



Leon R. Yankwich; Registration No. 30,237
Thomas R. Berka, Ph.D.; Registration No. 43,310
Attorneys for Applicant
YANKWICH & ASSOCIATES
130 Bishop Allen Drive
Cambridge, Massachusetts 02139
telephone: (617) 491-4343
telefax: (617) 491-8801

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

The undersigned hereby certifies that this correspondence listed above is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR §1.10, postage prepaid, Express Mailing Label No. **EL 378885271US**, in an envelope addressed to the Asst. Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on the date indicated below.

30-March-2001

date



Thomas R. Berka, Ph.D.

EL378885271US